

+12V @ 80ma = 0.86W  
-12V @ 80ma = 0.86W  
TOTAL = 1.92W

- 1) CONTROLS NOTED IN RED ARE FRONT PANEL
- 2) CONTROLS NOTED IN BLUE ARE SETUP ON MODULE
- 3) ALL RESISTORS ARE 0.25W 1% METAL FILM EXCEPT AS NOTED
- 4) CONTROLS:
  - A) H BLK START (5K POT, 10T) TCCOS GVWV
  - B) H BLK WIDTH (50K POT, 10T) TCCOS GVWV
  - C) NOISE REDUCE (5K POT)
  - D) NOISE AMPL (1K POT)
  - E) FLUORANCE (5K POT)
  - F) FLUORANCE AMP (5K POT)
  - G) CHROMA AMP (5K POT)
- 5) MODULE SELECTORS:
  - A) WFE MODE (SWITCH SPST, HCMOS LOGIC LEVEL)
  - B) VIDEO MODE (SWITCH SPST, HCMOS LOGIC LEVEL)
  - C) WV MODE (SWITCH SPST, HCMOS LOGIC LEVEL)

**FIG. 2**

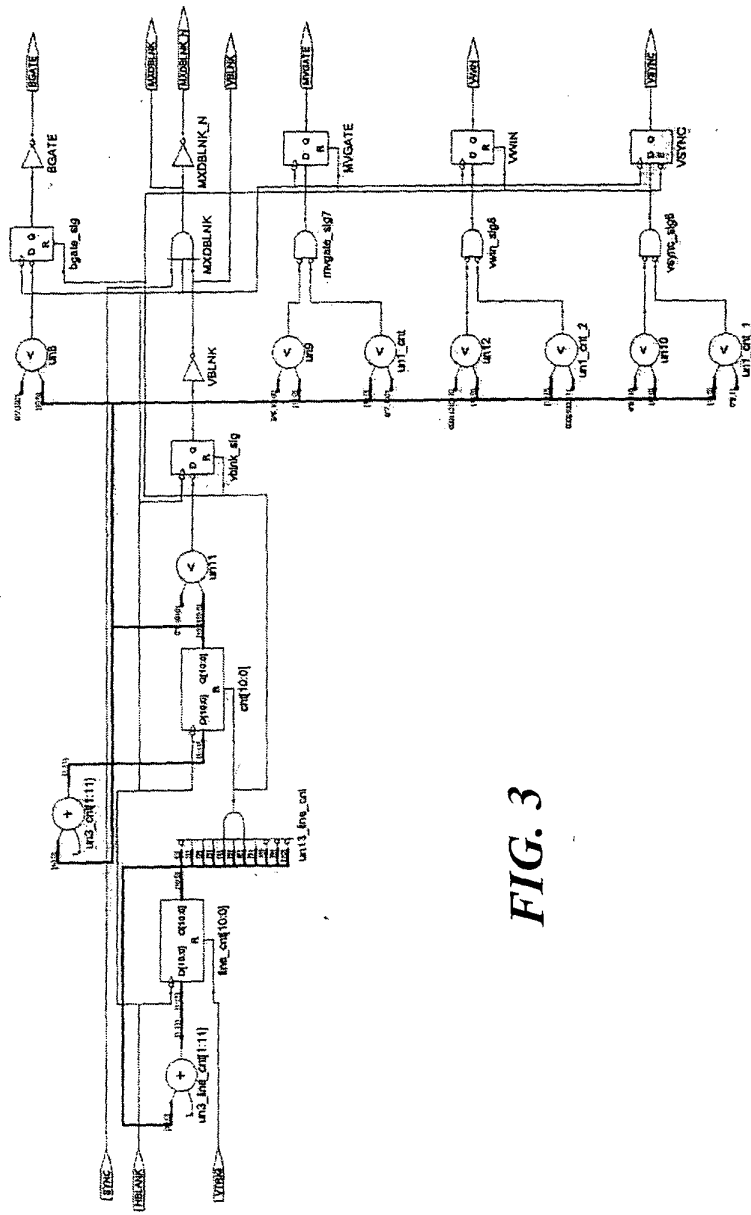
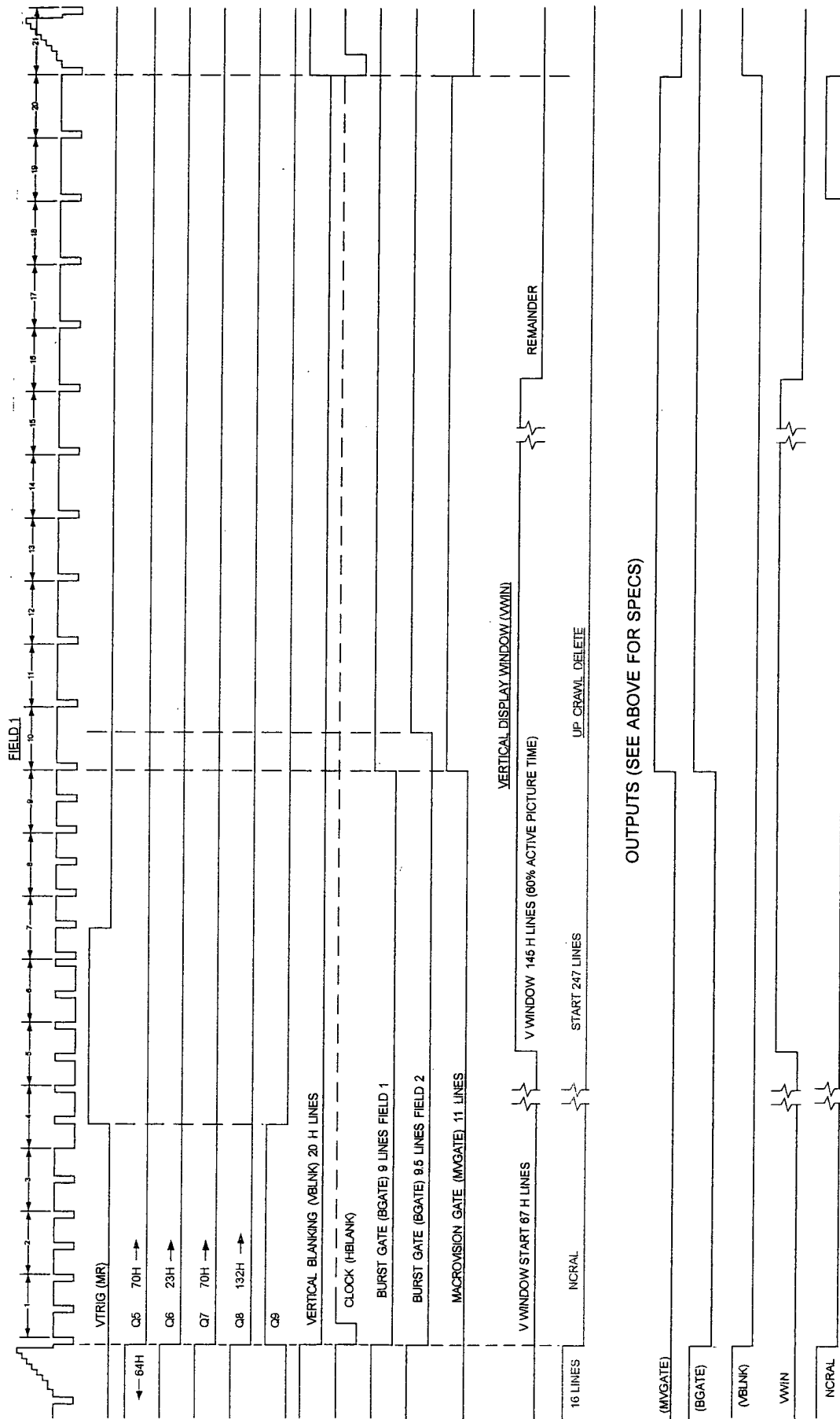
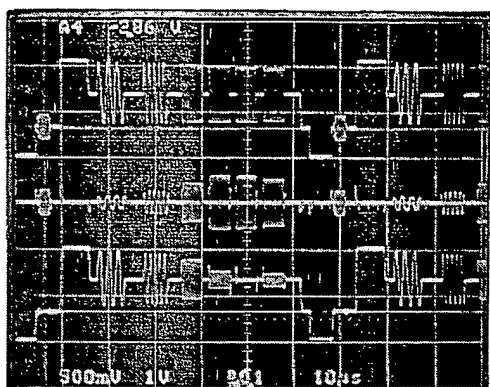


FIG. 3



- NOTES:
- 1) ALL OUTPUT ABLE TO PULLUP TO 5VCC POWER
  - 2) Q OUTPUT REGENERATED HORIZONTAL BLANKING LEADING EDGE CLOCKS THE VERTICAL COUNTER
  - 3) FOLLOWING ARE OUTPUTS: MACROVISION GATE (MVGATE), VERTICAL BLANKING (VBLANK), BURST FLAG GATE (BFG), VERTICAL DISPLAY WINDOW (VWIN), NEWS CRAWL (NCRAL)
  - 4) ALL OUTPUTS FREE OF DECODE SLIVERS

FIG. 4

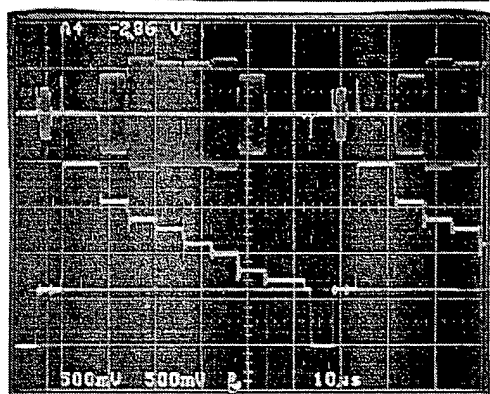


VIDEO OUT  
MULTIBURST

C OUT

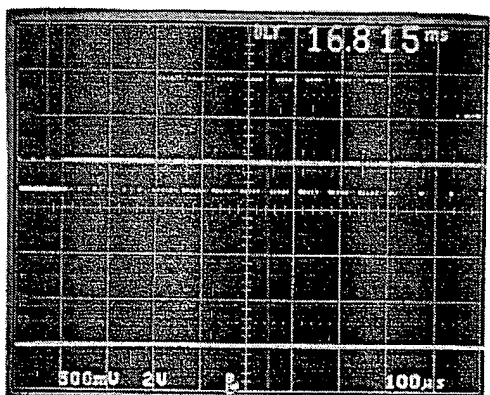
Y OUT

**FIG. 5**



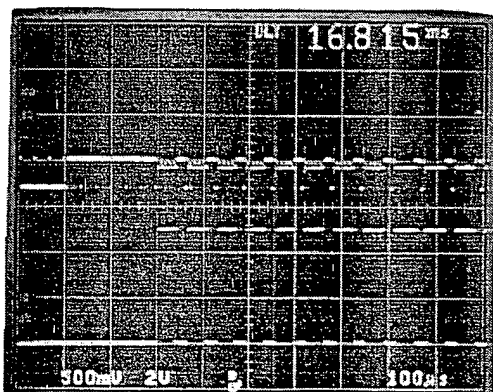
C OUT (COLOR BARS)

Y OUT (COLOR BARS)



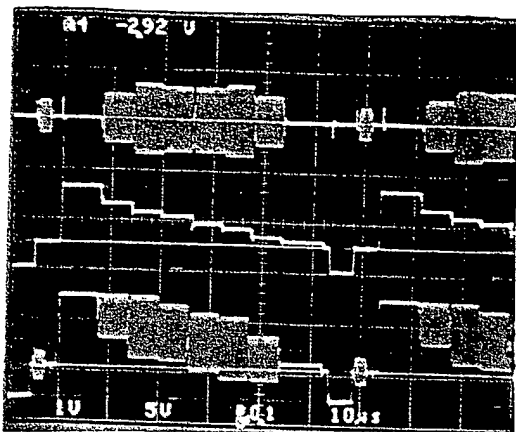
VIDEO OUT  
MACROVISION "ON"

MV DEL GATE  
MV MODE "ON"



VIDEO OUT  
MACROVISION "OFF"

MV DEL GATE  
MV MODE "OFF"

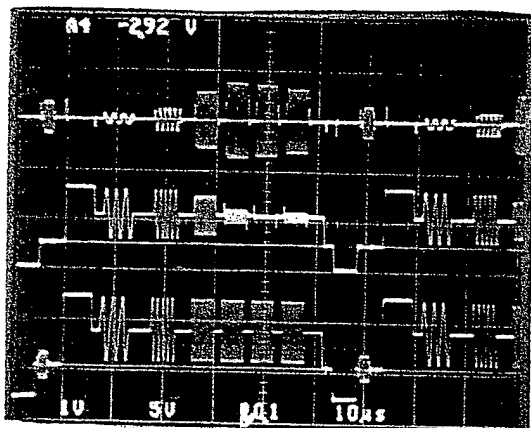


CHROMA BUFF OUT

LUMA BUFF OUT

COMP VIDEO IN  
COLOR BARS

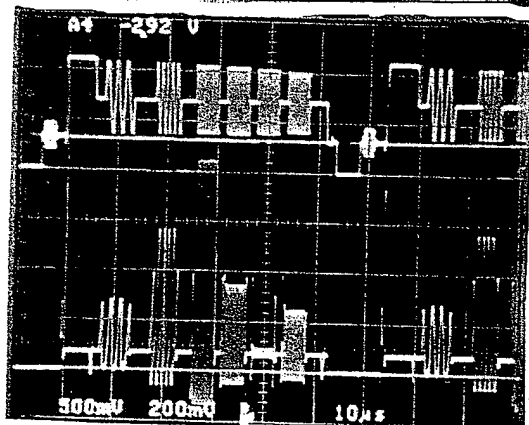
*FIG. 6*



CHROMA BUFF OUT

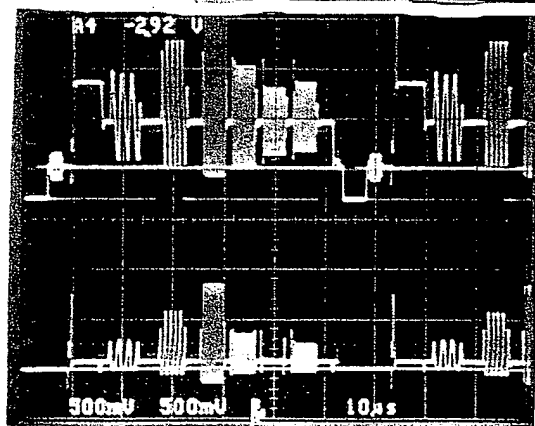
LUMA BUFF OUT

COMP VIDEO IN  
MULTIBURST



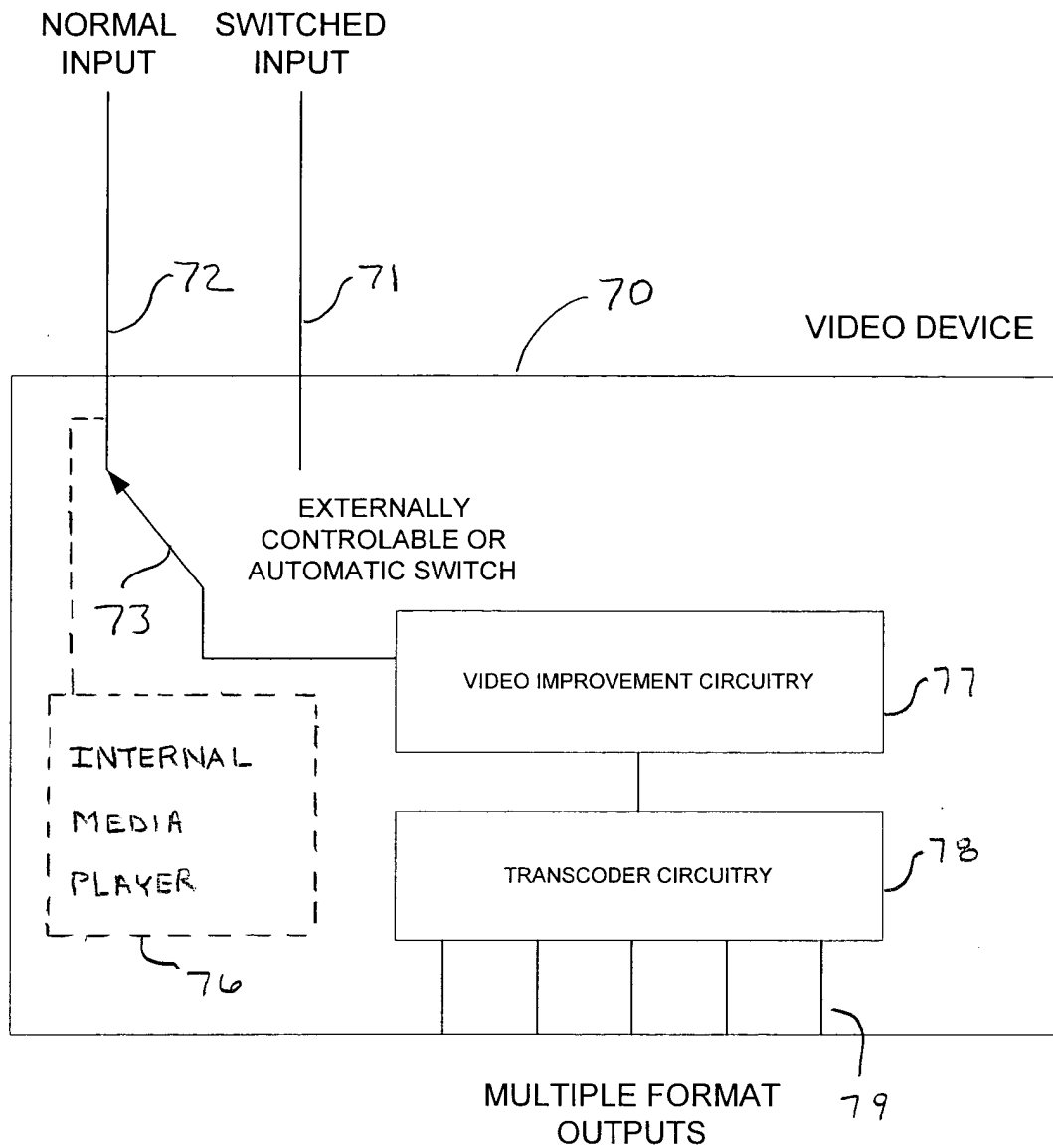
VIDEO OUT  
NO ENHANCE

ENHANCE SHAPER OUT



VIDEO OUT  
MAX ENHANCE

ENHANCE SHAPER OUT



**FIG. 7**